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Notice of Allowability.

Application No.	Applicant(s)
10/621,447	KWON ET AL.
Examiner	Art Unit
Leila Malek	2611

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The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT OF THE OFFICE	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS	
1. This communication is responsive to <u>09/14/2007</u> .				
2. ⊠ The allowed claim(s) is/are <u>1-16</u> .				
 Acknowledgment is made of a claim for foreign priority un a)	been received. been received in Application No cuments have been received in this rece	national stage applica complying with the red	quirements	
INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF	
 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amenda 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), le nent/Comment	owance	



Art Unit: 2611

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see pages 2-3 of Remarks, filed on 07/03/2007, with respect to rejection of claims 1 and 9 have been fully considered and are persuasive. The rejections have been withdrawn.

Allowable Subject Matter

2. Claims 1-16 are allowed. The following is an examiner's statement of reasons for allowance:

As to claims 1 and 9, a comprehensive search of prior art of record (e.g. see the prior art references cited in the previous Office Actions) failed to disclose, either alone or in combination, an apparatus, comprising: a correlation unit for obtaining a correlation function of a received synchronizing signal and a reference synchronizing signal; a first estimating unit for estimating a first multi-path by applying a first threshold value to the correlation function of the first received signal; a correlation noise removing unit for obtaining a correlation function of a second received signal by removing correlation noise included in the correlation function of the first received signal; and a second estimating unit for estimating a second multi-path by applying a second threshold value to the correlation function of the second received signal in which the correlation noise has been removed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably



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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leila Malek whose telephone number is 571-272-8731. The examiner can normally be reached on 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leila Malek Examiner Art Unit 2611 Application/Control Number: 10/621,447 Art Unit: 2611

L.M.